

Biomaterials Science

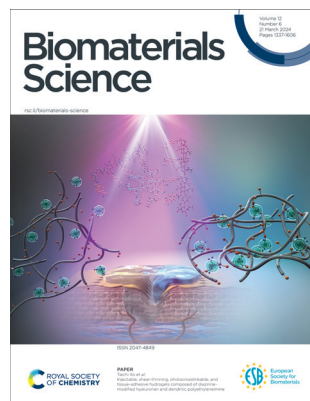
An international high impact journal exploring the underlying science behind the function, interactions and design of biomaterials

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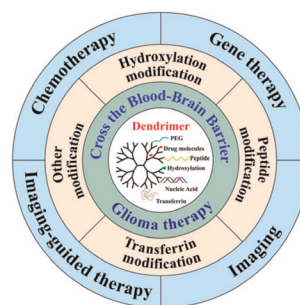
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Blood–brain barrier-crossing dendrimers for glioma theranostics

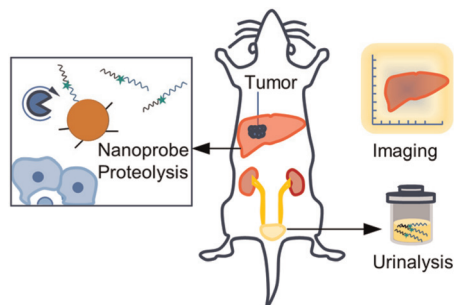
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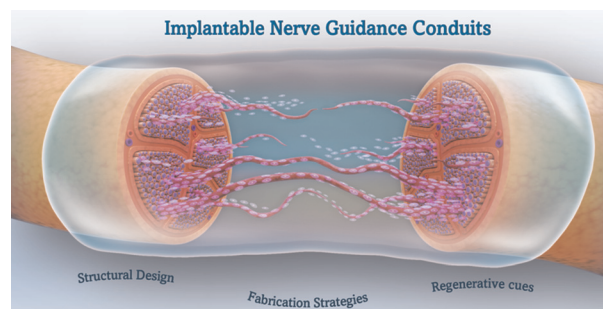
**Fundamental questions
Elemental answers**

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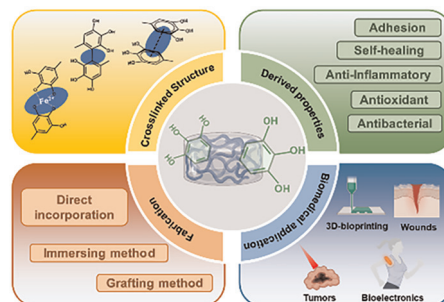
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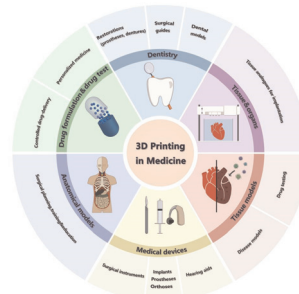
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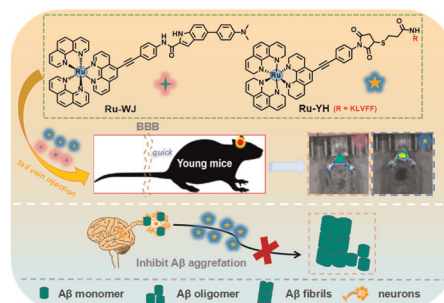


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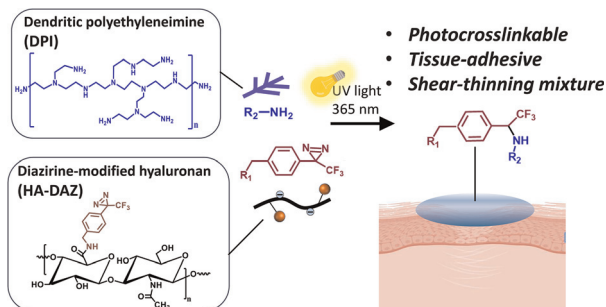
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Xian Chen, Jiaoyang Wang, Zhenhuo Mo, Lu Han, Kaiqing Cheng, Cheng Xie, Genyan Liu,* Lijun Jiang,* Kai Wang* and Jie Pan*



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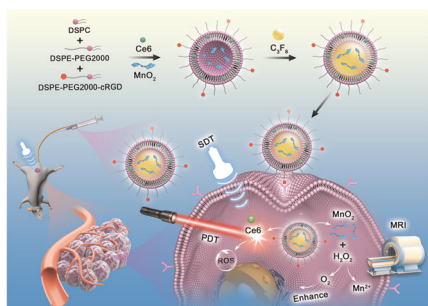
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Injectable, shear-thinning, photocrosslinkable, and tissue-adhesive hydrogels composed of diazirine-modified hyaluronan and dendritic polyethyleneimine

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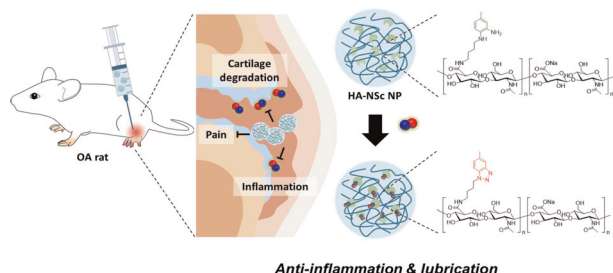
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MnO₂/Ce6 microbubble-mediated hypoxia modulation for enhancing sono-photodynamic therapy against triple negative breast cancer

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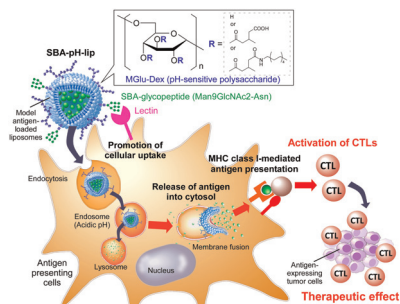
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Eiji Yuba* and Rajesh Kumar Gupta*

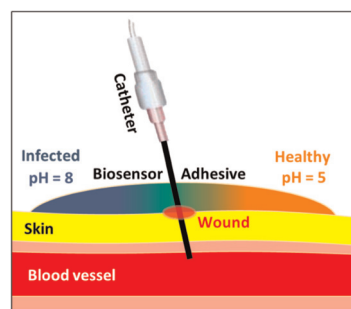


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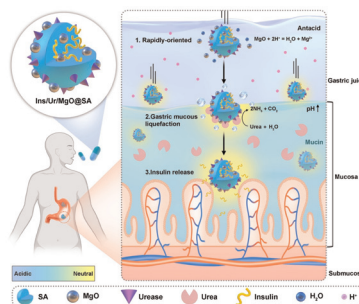
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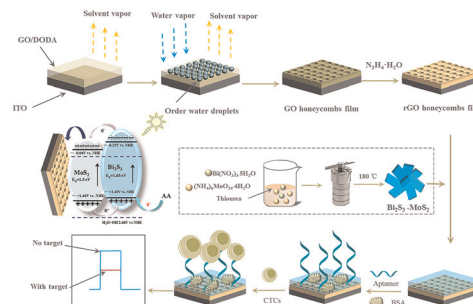
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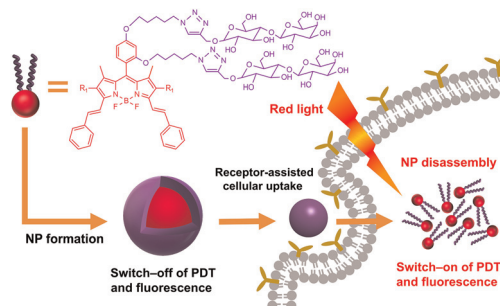
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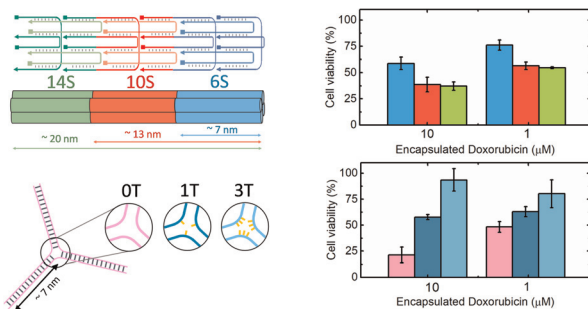
Red fluorescent BODIPY-based nanoparticles for targeted cancer imaging-guided photodynamic therapy

Chanwoo Kim, Duy Khuong Mai, Won-Jin Kim, Isabel Wen Badon, Jinwoong Jo, Dongho Kang, Seok-Jun Kim,* Ho-Joong Kim* and Jaesung Yang*



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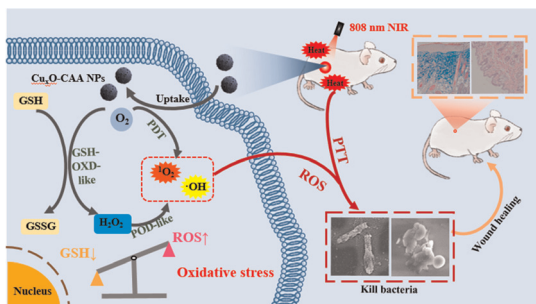
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Assessing the influence of small structural modifications in simple DNA-based nanostructures on their role as drug nanocarriers

Alejandro Postigo, Pablo Martínez-Vicente, Kevin N. Baumann, Jesús del Barrio and Silvia Hernández-Ainsa*

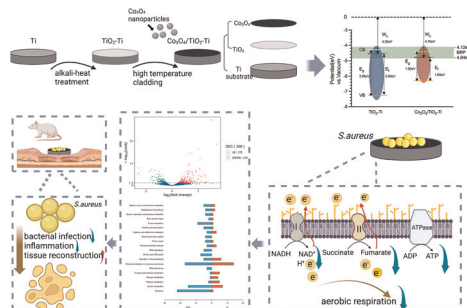
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Biocompatible *N*-carbazoleacetic acid decorated Cu_xO nanoparticles as self-cascading platforms for synergistic single near-infrared triggered phototherapy treating microbial infections

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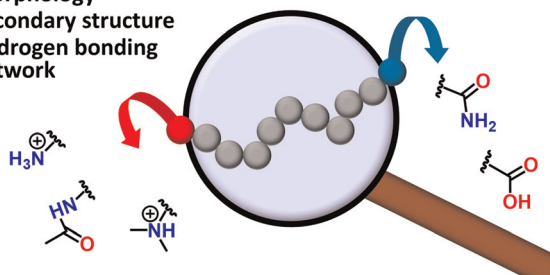


A self-activating electron transfer antibacterial strategy: Co₃O₄/TiO₂ P–N heterojunctions combined with photothermal therapy

Siyuan Chen, Zhe Xie, Yuchen Yang, Nuo Sun, Zhengnong Guo, Miaomiao Li and Chen Wang*

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- Morphology
- Secondary structure
- Hydrogen bonding network



Amyloid engineering – how terminal capping modifies morphology and secondary structure of supramolecular peptide aggregates

Manuela Grelich-Mucha, Thomas Bachelart, Vladimir Torbeev, Katarzyna Ożga, Łukasz Berlicki and Joanna Olesiak-Bańska*



CORRECTION

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Correction: MnO₂/Ce6 microbubble-mediated hypoxia modulation for enhancing sono-photodynamic therapy against triple negative breast cancer

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